

The diagram illustrates a speech transmission system with two main sections: the TRUNK SIDE and the BEARER SIDE.

TRUNK SIDE:

- An input signal enters from the left and splits into two paths:
 - Path 1 (labeled 1) goes to the **ACTIVE JUDGING UNIT**.
 - Path 2 (labeled 2) goes to the **SIGNAL DISCRIMINATING UNIT**.
- The **ACTIVE JUDGING UNIT** outputs **SOUND/NO-SOUND** information to the **ASSIGNMENT CONTROL UNIT**.
- The **SIGNAL DISCRIMINATING UNIT** outputs **SOUND/DATA** information to the **ASSIGNMENT CONTROL UNIT**.
- The **ASSIGNMENT CONTROL UNIT** (labeled 4) also receives **ALLOCATION/NO-ALLOCATION CODING SPEED** information and outputs control signals to the **SPEECH ENCODING UNIT** (labeled 3) and the **MESSAGE PRODUCING UNIT** (labeled 5).
- The **SPEECH ENCODING UNIT** (3) outputs an encoded signal to the **MULTIPLEXING UNIT** (labeled 6).
- The **MESSAGE PRODUCING UNIT** (5) outputs a message signal to the **MULTIPLEXING UNIT** (6).
- The **MULTIPLEXING UNIT** (6) outputs the final multiplexed signal (labeled 6) to the right.

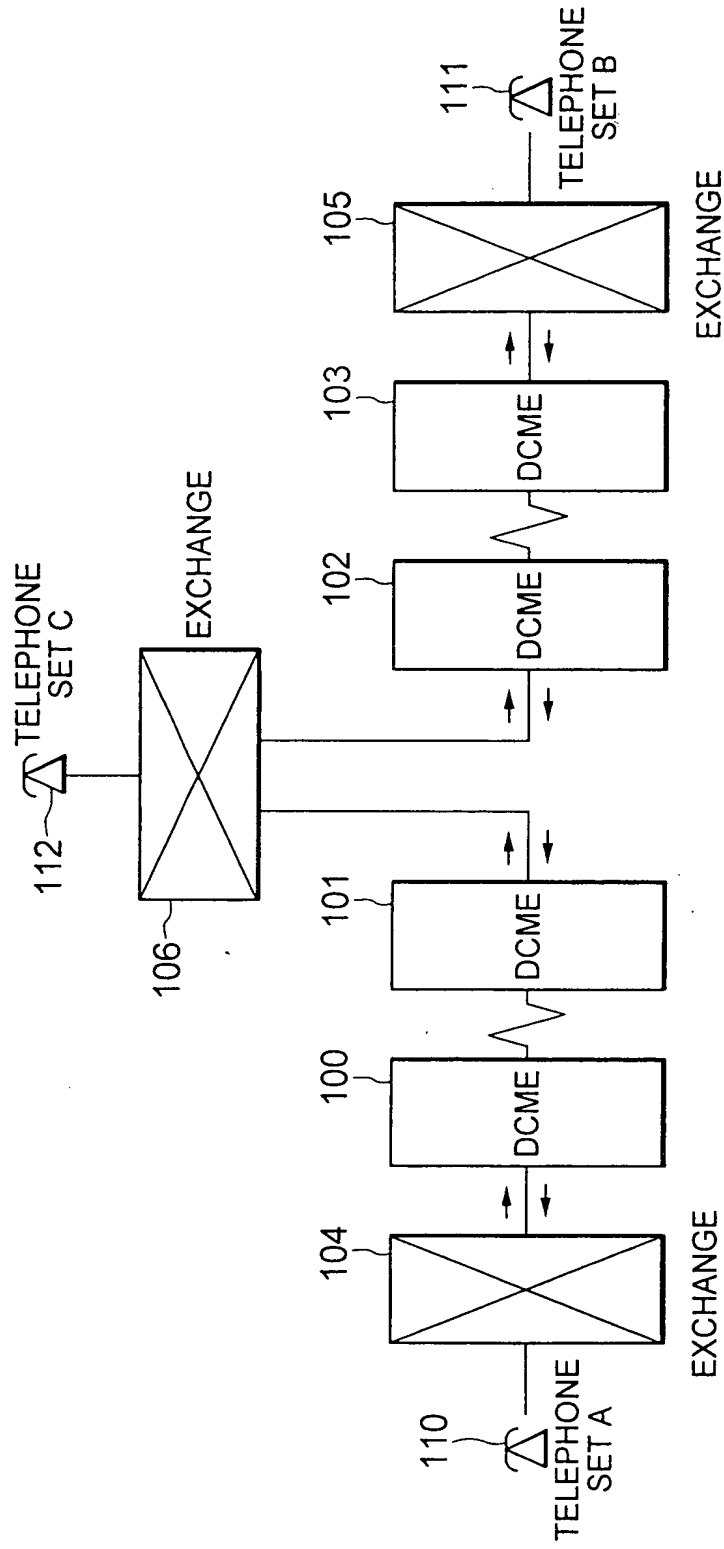
BEARER SIDE:

- The multiplexed signal enters from the left and splits into two paths:
 - Path 7 (labeled 7) goes to the **SPEECH DECODING UNIT** (labeled 9).
 - Path 8 (labeled 8) goes to the **MESSAGE DECRYPTING UNIT**.
- The **SPEECH DECODING UNIT** (9) outputs a decoded signal (labeled 9) to the right.
- The **MESSAGE DECRYPTING UNIT** outputs a message signal to the **ASSIGNMENT/NO-ASSIGNMENT ENCODING RATE** block.
- The **ASSIGNMENT/NO-ASSIGNMENT ENCODING RATE** block outputs control signals to the **SPEECH DECODING UNIT** (9).

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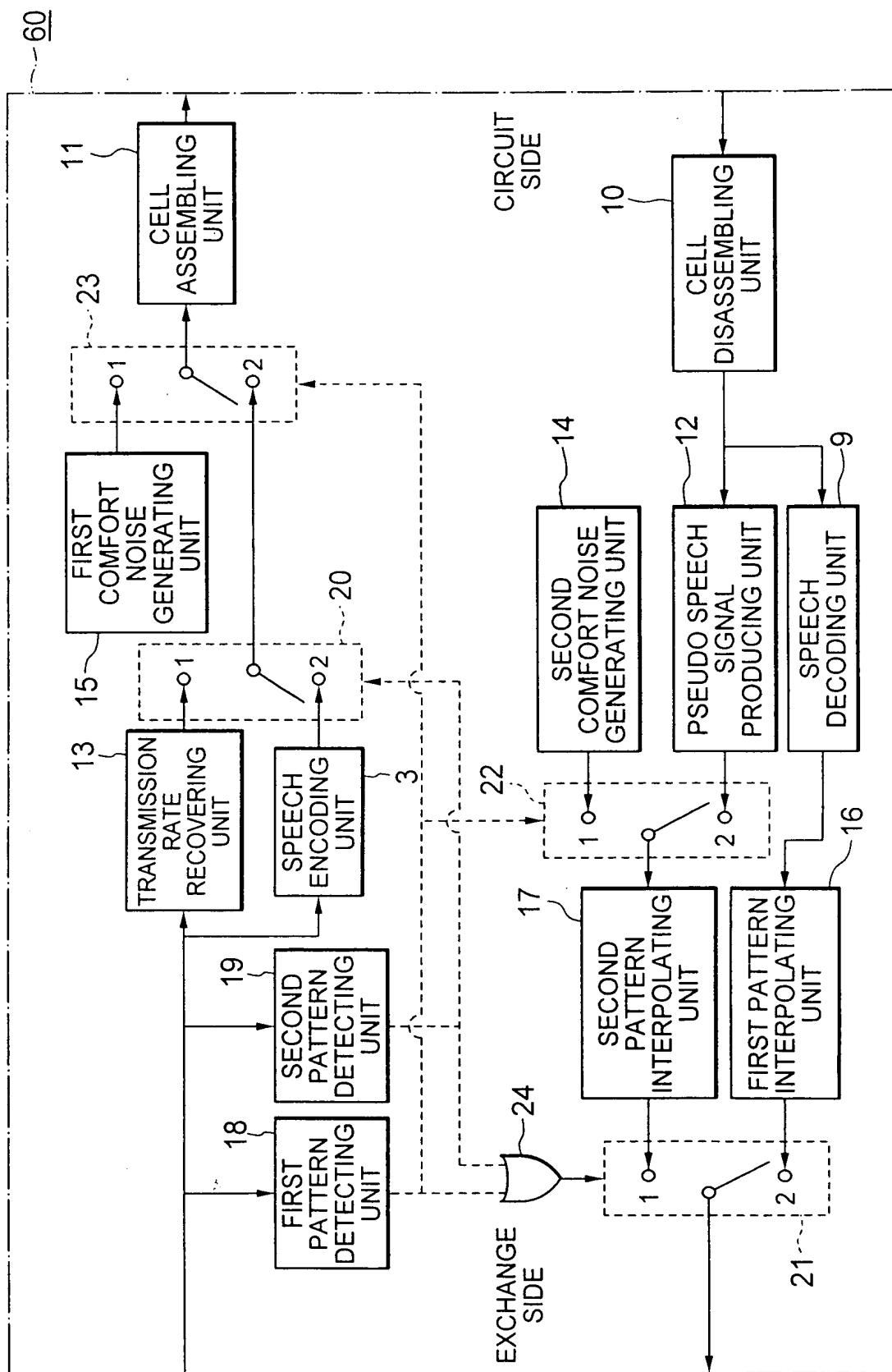
FIG. 18



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FIG. 19



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